

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

07-16-01

<b>UTILITY PATENT APPLICATION TRANSMITTAL</b> <small>(Only for new nonprovisional applications under 37 CFR 1.53(b))</small>		<b>Attorney Docket No.</b> IS9-017 <b>First Inventor</b> Richard C. Eden et al. <b>Title</b> See Attachment I <b>Express Mail Label No.</b> EL844047476US
---	--	--



PRO



07/12/01

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

- Fee Transmittal Form (e.g., PTO/SB/17)  
*(Submit an original and a duplicate for fee processing)*
- Applicant claims small entity status.  
See 37 CFR 1.27.
- Specification [Total Pages **60**]  
*(preferred arrangement set forth below)*
  - Descriptive title of the invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
- Drawing(s) (35 U.S.C. 113) [ Total Sheets **15** ]
- Oath or Declaration [ Total Pages  ]  
 a.  Newly executed (original or copy)  
 b.  Copy from a prior application (37 CFR 1.63 (d))  
*(for continuation/divisional with Box 18 completed)*
  - i.  **DELETION OF INVENTOR(S)**  
 Signed statement attached deleting inventor(s)  
 named in the prior application, see 37 CFR  
 1.63(d)(2) and 1.33(b).
- Application Data Sheet. See 37 CFR 1.76

**ADDRESS TO:** Assistant Commissioner for Patents  
 Box Patent Application  
 Washington, DC 20231

7.  CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
  - a.  Computer Readable Form (CRF)
  - b. Specification Sequence Listing on:
    - i.  CD-ROM or CD-R (2 copies); or
    - ii.  paper
  - c.  Statements verifying identity of above copies

**ACCOMPANYING APPLICATION PARTS**

9.  Assignment Papers (cover sheet & document(s))
10.  37 CFR 3.73(b) Statement  Power of (when there is an assignee)  Attorney
11.  English Translation Document (if applicable)
12.  Information Disclosure Statement (IDS)/PTO-1449  Copies of IDS Citations
13.  Preliminary Amendment
14.  Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
15.  Certified Copy of Priority Document(s) (if foreign priority is claimed)
16.  Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent
17.  Other: **See Attached Addendum.....**

18. If a CONTINUATING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

Continuation    Divisional    Continuation-in-part (CIP)   of prior application No. \_\_\_\_\_ /

Prior application information: Examiner \_\_\_\_\_ Group Art Unit: \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**19. CORRESPONDENCE ADDRESS**

<input checked="" type="checkbox"/> Customer Number or Bar Code Label	<b>021567</b> <i>(Insert Customer No. or Attach bar code label here)</i>		<input type="checkbox"/> Correspondence address below
Name			
Address			
City	State		Zip Code
Country	Telephone		Fax

Name (Print/Type)	James D. Shaurette	Registration No. (Attorney/Agent)	39,833
Signature			
	Date 7/11/01		

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application Washington DC 20231

## ADDENDUM

### **Title of Invention:**

Power Semiconductor Switching Devices, Power Converters, Integrated Circuit Assemblies, Integrated Circuitry, Power Current Switching Methods, Methods of Forming a Power Semiconductor Switching Device, Power Conversion Methods, Power Semiconductor Switching Device Packaging Methods, and Methods of Forming a Power Transistor

### **Additional Enclosures:**

Petition for Acceptance of Color Drawings  
Appendix A (25 pages of text; 10 sheets drawings (Figs. 1-10))  
2 additional sets of Color Appendix Figs.  
1 black and white set of Appendix Figs.

TOP SECRET - SECURITY INFORMATION

EL844047476

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application Serial No. .... Filed Herewith  
Filing Date ..... Filed Herewith  
Inventorship ..... Richard C. Eden et al.  
Assignee ..... Isothermal Systems Research, Inc.  
Group Art Unit ..... Unknown  
Examiner ..... Unknown  
Attorney's Docket No. .... IS9-017  
Title: "Power Semiconductor Switching Devices, Power Converters, Integrated Circuit Assemblies, Integrated Circuitry, Power Current Switching Methods, Methods of Forming a Power Semiconductor Switching Device, Power Conversion Methods, Power Semiconductor Switching Device Packaging Methods, and Methods of Forming a Power Transistor"

09/904578 Pro  
07/12/01

**PETITION FOR ACCEPTANCE OF COLOR DRAWINGS  
PURSUANT TO 37 C.F.R. §1.84(a)(2)**

Box Patent Application  
Assistant Commissioner for Patents  
Washington D.C. 20231

EL 844047476

Sir:

Applicants hereby request the Commissioner for Patents and Trademarks to accept color drawings in the Appendix illustrating aspects of the present invention in lieu of black ink drawings. Pursuant to 37 C.F.R. §1.84(a)(2), Applicants submit herewith three (3) identical sets of the color drawings. Each set of color drawings is described in the Appendix of the patent application. It is submitted that the quality of these color drawings is such that all of the details shown therein will be reproducible in the printed patent.

The petition fee as required by 37 C.F.R. §1.84(a)(2)(i) and §1.17(h) may be charged to deposit account no. 23-0925.

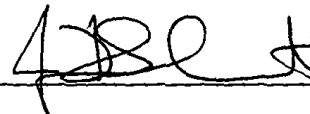
Acceptance of the color drawings in lieu of ink drawings is requested.

Respectfully submitted,

Dated:

7 / 11 / 01

By:



James D. Shaurette

Reg. No. 39,833

S:\VS9\017\DR1.wpd A2771113N